

Biographic Sketch

(16.12.2024)

1. Name: **Dr. Desh Deepak Chaudhary**

2. Present Position: **Assistant Professor** (Academic Level 11)

3. **Address of Correspondence:** Department of Zoology, **Indira Gandhi National National Tribal University** (A Central University)
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4. **Educational Qualifications:** **M.Sc. (Gold medalist), INSPIRE-SRF, CSIR-UGC JRF, GATE JRF, INSPIRE-JRF, Ph.D.**

Publications Summary	Research Articles published: 24 (15 International) (09 National: 02 Current Science)	Abstracts/Book Chapters published 20/05	Oral/Poster Presentations & Invited talk 08/05/06	Research Experience 12 years
Academics	M.Sc.	B.Sc.	10+2	10
	Gold Medalist	First Division	First Honors	First Division

6. **Broad Area of Research:** Behavioural and Molecular Ecology of Insects

7. Fellowships awarded:

- Junior Research Fellow** (INSPIRE Fellowship, DST Delhi): April 1, 2013- June 10, 2015.
- Senior Research Fellow** (INSPIRE Fellowship, DST Delhi): June 11, 2015- May 21, 2017
- CSIR-UGC JRF:** December 12, 2015
- GATE JRF:** March 23, 2016

8. Awards & Grants Received

- Zoological Society of India K. N. Bhal Gold Medal** for the year 2012 for obtaining the highest percentage of marks in M.Sc. I & II Year examinations in Zoology
- Dr. Vineeta Saxena Memorial Gold Medal** for the year 2012 for securing the highest percentage of marks and standing first in order of merit
- PI: UGC-BSR Start-up Research grant** for the project entitled “**Polymorphism and sexual selection in Indian ladybird beetles and their role in environmental assessment and pest management**” from DST, sanction letter no.F.30-420/2018 (BSR), Sanction amount: **10, 00,000/-**.
- Co-PI: DST SERB-CRG** for the project title “**Elucidating the multipartite biotic interactions associated with the Indian Lac Insect [*Kerria lacca* (Kerr.)]**” Sanction order No. CRG/2021/004163, Sanction amount: **37, 92,100/-**.

9. Selected Research Publications

- Chaudhary, D.D., Kumar, B., Mishra, G. & Omkar (2015).** Resource partitioning in a ladybird, *Menochilus sexmaculatus*: Function of body size and prey density. *Bulletin of Entomological Research*, Cambridge University Press 105, 121–128. **(IF: 1.6).**
- Chaudhary, D.D., Mishra, G. & Omkar (2015).** Prolonged matings in a ladybird, *Menochilus sexmaculatus*: a mate guarding mechanism? *Journal of Asia Pacific Entomology*, Elsevier 18, 453-458. **(IF: 1.1).**
- Chaudhary, D.D., Kumar, B., Mishra, G. & Omkar (2016).** Effects of prey resource fluctuation on predation attributes of two sympatric ladybird beetles. *The Canadian Entomologist*, Cambridge University Press, 148:443-451. **(IF: 1.1).**
- Chaudhary, D.D., Kumar, B., Mishra, G. & Omkar (2016).** Food resource exploitation in ladybirds: consequences of prey species and prey size. *Current Science*, 110, 1343-1349. **(IF: 1.1).**
- Chaudhary, D.D., Mishra, G. & Omkar (2016).** Last male wins egg fertilization fight: A Case Study in ladybird, *Menochilus sexmaculatus*. *Behavioural Processes*. Elsevier.131C:1-8. **(IF: 1.3).**

- 6) **Chaudhary, D.D.**, Mishra, G. & Omkar (2017). Strategic mate-guarding behaviour in ladybirds. *Ethology*. Wiley Blackwell. 123:376-385. **(IF: 1.3)**.
- 7) **Chaudhary, D.D.**, Mishra, G. & Omkar (2018). Influence of food availability on mate guarding behavior of ladybirds. *Bulletin of Entomological Research*. 108(6):800-806. **(IF:1.6)**
- 8) Bhaisare, Y. L., Zade, B. S., Nagwanshi, M. A., Netam, A., **Chaudhary, D.D.*** (2022). Impacts of Benzyl Butyl Phthalate on Histo-Architecture of Gonads of African Catfish *Clarias gariepinus* (Burchell, 1822). *Polish Journal of Environmental Studies*.31(2):1049-1059. **(IF:1.4)**
- 9) **Chaudhary, D.D.**, Kumar, B., Mishra, G. & Omkar (2022). Functional response in coccinellid beetles is modified by prey density experience. *The Canadian Entomologist*. **Cambridge University Press**. 154 (e11), 1-14. **(IF:1.1)**
- 10) Bhaisare, Y. L. and **Chaudhary, D.D.*** (2022). Seven spots fusion patterns of elytra as a marker of melanization in ladybird, *Coccinella septempunctata* Linnaeus (Coleoptera: Coccinellidae). *Current Science*. 123(12):1421. **(IF: 1.0)**
- 11) Bhaisare, L.Y. & **Chaudhary, D. D.*** (2023). Mate guarding behaviour in response to temperature in Parthenium beetle *Zygogramma Bicolorata* Pallister. *Indian Journal of Entomology*, 1-6. **(IF:0.18)**
- 12) Bhaisare, L.Y. & **Chaudhary D.D.*** (2024). Rearing thermal condition modulates the feeding attributes of *Zygogramma bicolorata* Pallister (Coleoptera: Chrysomelidae). *Entomon*, 49 (2): 169-176.
- 13) Bhaisare, L.Y., Tiwari, R.S. & **Chaudhary D.D.*** (2024). Density-dependent mate-guarding behaviour and reproductive attributes in the Parthenium beetle, *Zygogramma bicolorata*. *Animal Behaviour*.210: 179-187. **(IF: 2.5)**
- 14) Tiwari, R.S., Bhaisare, L.Y., Pathak, S., Kumar, B. & **Chaudhary, D.D.*** (2024). Biotic factors as key determinants for ovarian and oothecal developmental plasticity of a tortoise beetle. *Zoology*.167 (126225). **(IF: 1.6)**

***Corresponding Author**

10. Ph.D. Thesis

Awarded

1. Mr. Lankesh Y. Bhaisare (BAN-JRF, BARTI Govt. of Maharashtra) Thesis Title: “Sexual selection in *Zygogramma bicolorata* Pallister (Coleoptera: Chrysomelidae) and its impact on biocontrol” (Notification Ref No. IGNTU/Exam/48/2024, Dated: 18.03.2024)

Ongoing

1. Mr. Khomesh H. Lanjewar (INSPIRE Fellow, IF200198)
2. Mrs. Ruchita S. Tiwari (CSIR-UGC JRF)

11. Membership of Academic Bodies

1. Association of Entomologists, Patiala (**Membership No. 139**)
2. The Indian Science Congress Association, Kolkata, India (**Membership No. L32049**)
3. The International Society of Zoological Science, China (**Membership No. 1404-I**)
4. The Entomological Society of India, New Delhi (**Membership No. NM-273**)
5. Zoological Society of Kolkata, Kolkata (**Membership No. L/C-96**)

12. Administrative experiences

Guest House Officer (Incharge)
 BOS Member
 DRC Member
 RAC Member
 Assistant Proctor
 NSS Programme Officer
 IQAC Member
 IQAC Departmental Coordinator

13. Dissertations Submitted: 20

14. Peer reviewer of journals: 15

15. Participated

Conferences/Symposia	Workshop	Training	Seminar
18	12	10	06